


 Substitute Form PTO-1449  
 (Modified)

 U.S. Department of Commerce  
 Patent and Trademark Office

 Attorney's Docket No.  
 07148-108002

 Application No.  
 10/758,524

**Information Disclosure Statement  
 by Applicant**

(Use several sheets if necessary)

 Applicant  
 Jan G. Jaworski et al.

 Filing Date  
 January 15, 2004

 Group Art Unit  
 1638

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
CMK	AA	6,051,756	04/18/00	Chen et al.			
CMK	AB	6,124,524	09/26/00	James, Jr. et al.			

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
CMK	AC	WO 95/15387	06/08/95	PCT				
↓	AD	WO 96/13582	05/09/96	PCT				
↓	AE	WO 98/46766	10/22/98	PCT				
↓	AF	WO 98/54954	12/10/98	PCT				
CMK	AG	WO 01/29238	04/26/01	PCT			Abstr.	

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
CMK	AH	GenBank Accession No. U29142
↓	AI	GenBank Accession No. U50771
↓	AJ	GenBank Accession No. AF009563
↓	AK	GenBank Accession No. AAA70154
↓	AL	GenBank Accession No. AAA96054
↓	AM	GenBank Accession No. AAB72178
↓	AN	GenBank Accession No. AAD22309
↓	AO	GenBank Accession No. CAA71898
↓	AP	GenBank Accession No. CAB36702
↓	AQ	"1999 Biochemistry and Molecular Biology of Plant Fatty Acids and Glycerolipids Symposium," National Plant Lipid Cooperative, June 9-13, 1999, South Lake Tahoe, California, P12, <i>Blacklock et al.</i>
↓	AR	Barret et al., "A rapeseed <i>FAEI</i> gene is linked to the E1 locus associated with variation in the content of erucic acid," <i>Theor. Appl. Genet.</i> , 1998, 96:177-186
↓	AS	Broun et al., <i>Science</i> , 1998, 282:131-133
CMK	AT	Clemens and Kunst, "Isolation of a <i>Brassica napus</i> cDNA (Accession No. AF009563) Encoding 3-Ketoacyl-CoA Synthase, a Condensing Enzyme Involved in the Biosynthesis of Very Long Chain Fatty Acids in Seeds," <i>Plant Physiol.</i> , 1997, 115:313-314

Examiner Signature

/Chih Min Kam/

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09/16/2006

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CMK	AU	Domergue et al., "Purification of the Acyl-CoA Elongase Complex from Developing Rapeseed and Characterization of the 3-Ketoacyl-CoA Synthase and the 3-Hydroxyacyl-CoA Dehydratase," <u>Lipids</u> , 2000, 35(5):487-494
	AV	Fiebig et al., "Alterations in <i>CER6</i> , a Gene Identical to <i>CUT1</i> , Differentially Affect Long-Chain Lipid Content on the Surface of Pollen and Stems," <u>Plant Cell</u> , 2000, 12:2001-2008
	AW	Fourmann et al., "The two genes homologous to <i>Arabidopsis FAE1</i> co-segregate with the two loci governing erucic acid content in <i>Brassica napus</i> ," <u>Theor. Appl. Genet.</u> , 1998, 96:852-858
	AX	Ghanevati and Jaworski, "Active-site residues of a plant membrane-bound fatty acid elongase $\beta$ -ketoacyl-CoA synthase, FAE1 KCS," <u>Biochim. Biophys. Acta</u> , 2001, 1530:77-85
	AY	Ghanevati, "Engineering and Mechanistic Studies of Fatty Acid Elongase1 $\beta$ -Ketoacyl-CoA Synthase, FAE1 KCS," A Dissertation, submitted to the Faculty of Miami University, Oxford, Ohio, 2000
	AZ	Han, " $\beta$ -Ketoacyl-CoA Synthase Gene from <i>Brassica napus</i> L.: Functional Characterization and Promoter Analysis," A Dissertation, submitted to the University of Hamburg, Hamburg, 1999
	AAA	Han et al., "Functional characterization of $\beta$ -ketoacyl-CoA synthase genes from <i>Brassica napus</i> L.," <u>Plant Mol. Biol.</u> , 2001, 46:229-239
	ABB	James, Jr., et al., "Directed Tagging of the Arabidopsis <i>FATTY ACID ELONGATION1 (FAE1)</i> Gene with the Maize Transposon <i>Activator</i> ," <u>Plant Cell</u> , 1995, 7:309-319
	ACC	Kunst et al., "Fatty acid elongation in developing seeds of <i>Arabidopsis thaliana</i> ," <u>Plant Physiol. Biochem.</u> , 1992, 30(4):425-434
	ADD	Lassner et al., "A Jojoba $\beta$ -Ketoacyl-CoA Synthase cDNA Complements the Canola Fatty Acid Elongation Mutation in Transgenic Plants," <u>Plant Cell</u> , 1996, 8:281-292
	AEE	Millar and Kunst, "Very-long-chain fatty acid biosynthesis is controlled through the expression and specificity of the condensing enzyme," <u>Plant J.</u> , 1997, 12(1):121-131
	AFF	Millar et al., "Accumulation of Very-Long-Chain Fatty Acids in Membrane Glycerolipids Is Associated with Dramatic Alterations in Plant Morphology," <u>Plant Cell</u> , 1998, 11:1889-1902
	AGG	Millar and Kunst, "The natural genetic variation of the fatty-acyl composition of seed oils in different ecotypes of <i>Arabidopsis thaliana</i> ," <u>Phytochemistry</u> , 1999, 52:1029-1033
	AHH	Millar et al., " <i>CUT1</i> , an Arabidopsis Gene Required for Cuticular Wax Biosynthesis and Pollen Fertility, Encodes a Very-Long-Chain Fatty Acid Condensing Enzyme" <u>Plant Cell</u> , 1999, 11:825-838
	AII	Post-Beittenmiller, "Biochemistry and Molecular Biology of Wax Production in Plants," <u>Annu. Rev. Plant Physiol. Plant Mol. Biol.</u> , 1996, 47:405-430
	AJJ	Pruitt et al., "FIDDLEHEAD, a gene required to suppress epidermal cell interactions in <i>Arabidopsis</i> , encodes a putative lipid biosynthetic enzyme," <u>Proc. Natl. Acad. Sci. USA</u> , 2000, 97(3):1311-1316
	AKK	Roscoe et al., "Mutations in the fatty acid elongation 1 gene are associated with a loss of $\beta$ -ketoacyl-CoA synthase activity in low erucic acid rapeseed," <u>FEBS Letters</u> , 2001, 492:107-111
	ALL	Tillman and Bell, <u>J. Biol. Chem.</u> , 1986, 261:9144-9149
	AMM	Todd et al., "KCS1 encodes a fatty acid elongase 3-ketoacyl-CoA synthase affecting wax biosynthesis in <i>Arabidopsis thaliana</i> ," <u>Plant J.</u> , 1999, 17(2):119-130
CMK	ANN	Van de Loo et al., "An oleate 12-hydroxylase from <i>Ricinus communis</i> L. is a fatty acyl desaturase homolog," <u>Proc. Natl. Acad. Sci. USA</u> , 1995, 96:6743-6747

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CMK	AOO	Venkateswari et al., "Molecular Cloning and Characterization of <i>FATTY ACID ELONGATION I (BjFAEI)</i> Gene of <i>Brassica juncea</i> ," <i>J. Plant Biochem. Biotech.</i> , 1999, 8:53-55
CMK	APP	Yephremov et al., "Characterization of the FIDDLEHEAD Gene of <i>Arabidopsis</i> Reveals a Link between Adhesion Response and Cell Differentiation in the Epidermis," <i>Plant Cell</i> , 1999, 11:2187-2201

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